

12.3.25

Est. 1/1/1990

NPDES PERMIT APPLICATION QUESTIONNAIRE
SUPPLEMENTING FORM 2C
FOR SHIPBUILDING AND REPAIR FACILITIES

I. GENERAL INFORMATION

- A. NAME OF FACILITY: Duwamish Shipyard, Inc.
- B. ADDRESS: 5658 W. Marginal Way SW
- C. CITY: Seattle STATE: WASHINGTON ZIP CODE: 98106
- D. PHONE NO.: 206-767-4880
- E. WATER WAY: Duwamish Waterway

II. SERVICES PROVIDED in a typical year:

- A. Do you predominately provide new construction? y/n
 and/or repair? y/n
- B. What types of vessels; i.e. tugs, fishing vessels, barges, factory ships, etc.; do you provide services to?
 Tugs, barges, fishing vessels, passenger ferries, misc. small vessels.
- C. What hull materials do you work on? Wood, Steel, Aluminum, Fiberglass, Other.
 Predominantly steel, some aluminum and wood
- D. Estimate total number of vessels worked on in a typical year?

350

E. Does the facility have:

	yes	or	no
1. Drydock	X		
2. Graving dock	X		
3. Marineway	X		
4. Lift			X
5. Travel haul			X
6. Crane			X

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III. YARD CAPACITY

A. Capacity of the Drydock, Marine way, Crane, etc. which remove vessels from the water for access to hull?

Code	Tonnage	Overall Length	Wingwall Length	Width	Wingwall Height
Drydock #1	1000	200'	144'	64'	22'0"
Drydock #2	750	134'	98'	56'	19'10"
Marine Railway	350	120'	N/A	36'	N/A
Graving Dock	N/A	410'	N/A	138'	20'

B. Describe the location and construction of the drydock, marine way, crane, etc. (In addition to a narrative, please attach a site plan of the shipbuilding and repair facility.)

Drydock #1 is the southern drydock. Drydock #2 is the northern dock (see site map). Both are of steel construction.

IV. HYDROBLASTING, SANDBLASTING PRACTICES

A. Of the hulls your yard worked on in the last year what percentage: of the vessels drydocked - 110

1. Needed the complete hull sandblasted and repainted? 30%
2. Needed half the hull sandblasted and repainted? 15%
3. Needed less than 1/4 of the hull sandblasted and repainted? 15%
4. What percentage of the hulls only needed a high pressure wash (hydroblasting)? 25%
5. What percentage of the hulls only needed a low pressure wash? 0%
6. How much of the paint removal consists of sanding and scraping?
Hand scraping 10%

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B. For the sandblasting done in a typical year (the last year if that answer is easier to obtain) how many tons of abrasive material are used.

1,250

C. If possible estimate the percentage of sandblast grit used on drydocks:

1. in ship holds, 10%
2. on ship superstructures, 5%

D. Estimate the percent of grit used in a sandblast shed?

15%

E. How do you store spent sandblast grit?

Stored in bins constructed of concrete ecology blocks. Tarps are used to cover grit.

F. How, how often, and where is the spent sandblast grit disposed of?

Industrial Services picks up the spent grit and transports to Holman, Inc. for disposal. Grit is removed approximately once a month.

G. Where do you do hydroblasting (high pressure washing of hulls)?

On both drydocks, marine railway and graving dock.

H. Do you use an acid solution when hydroblasting?

If so, which product? No

I. Do you pretreat; ie, filter, settle, centrifuge, etc.; the hydroblasting wash water?

If so, how? No

← Yes - Delta Polln Control
system treats prior to
Discharge to METRO
-DW

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V. PAINTING PRACTICES

A. What anticorrosive paints are commonly used at your yard (you may attach manufacturers data sheets)?

Devco 235 - see attached MSDS

International - KLA 404 - see attached MSDS

B. What anti fouling paints are commonly used at your yard (you may attach manufacturers data sheets)?

Devco 216 - See attached MSDS

International Interdene Anti-fouling - See attached MSDS

C. Describe the location and construction of the paint storage building or area.

Paint is stored in two sheds located adjacent to the paint shop. One shed consists of a fenced in locked area for A/F paint and 1 gallon containers, the other is a heated metal storage box for a/c paints

D. Where is paint mixed?

In covered and bermed paint mixing stations located on the main dock. (see site map)

E. Do you use drip pans or visquine to contain paint spills?

Yes

F. Do you or vessel owners/operators do touch up painting or detail painting on vessels from floats?

Yes

G. Do you have a still for recycling paint thinners?

Yes

H. What are your procedures for minimizing waste paint disposal?

Waste paint is minimized by carefully monitoring quantity of paint required for each job. All paint mixed is applied.

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- I. What waste disposal company disposes of your still bottoms and waste paint?

Envirotech, Inc.

- J. How often do you dispose of waste paint and still bottoms?

Approximately four times per year

- K. Where and how is waste paint stored prior to disposal?

Stored in 55 gallon drums in a bermed, covered hazardous waste storage area. (see site map)

VI. ENGINE and EQUIPMENT REPAIR SERVICES

- A. What is the estimate number of engine repairs made annually? -0-

- B. Describe the facility for storage of waste oil?

Waste oil is stored in 55 gallon drums in a bermed, covered hazardous waste storage area. (see site map)

- C. How often is stored waste oil disposed of?

Approximately twice per year

- D. Is it recycled and if so by whom?

No, disposed of by independent subcontractor. Either Marine Vacuum, Coastal Tank Cleaning or Enviromental Transport.

- E. Do you drain engine filters before disposing of the filter?

Yes

- F. Do you have steam cleaning facilities at your yard?

No

- G. Do you use dip tanks for cleaning machine parts?

No

1. What type of degreasers do you use?

ZEP Dyna 143

2. What type of recycle/disposal service do you use for solvents and degreasers?

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H. How do you store and dispose of used hydraulic fluids?

Used hydraulic fluids are stored in 55 gallon drums in a bermed, covered hazardous materials storage area. Disposed of using independent subcontractors

I. How do you store and dispose of used antifreeze and coolants?

Used antifreeze is stored in 55 gallon drums in bermed, covered hazardous materials storage area.

H. What type of storage do you have for batteries?

Batteries are stored in covered, bermed hazardous materials storage area.

I. How often do you dispose of used batteries?

Approximately twice per year

VIII. WASTE DISPOSAL SERVICES

A. Do the services provided by your yard include:

1. Pumping bilge water?

Yes - see #5 below

2. If so, how frequently?

Approximately twice per month

3. Pumping ballast water?

Yes

4. If so, how frequently?

Approximately four times per year

5. If so, how is bilge water or ballast water disposed of?

All bilge and ballast water is pumped and disposed of by independent contractor.

6. What facilities do you have for receiving sanitary wastes and gray water from docked vessels?

None

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IX. OTHER WASTE DISPOSAL OR RECYCLING

A. Who, how and where, if you know, are the following solid wastes disposed of?

1. Sandblast grit,

Disposed of through Holnam, Inc.

2. Scrap metal,

Mendelsohn Equipment, Inc.

3. Glass.

Waste Management

B. Who, how and where, if you know, are fiberglass resin and solvents disposed of?

Not used

X. OTHER SERVICES

A. Do you supply cooling water to moored or drydocked vessels?

No

B. If so, how often?

XI. MANAGEMENT PRACTICES

A. Do you have a maintenance plan for preventing accidental loss of oil, fuel, paint etc. due to equipment failures?

No written plan

B. Does the plan specifically identify who is responsible for what tasks and how often?

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- C. Does the maintenance plan include routine cleaning, sweeping, and vacuuming of docks, paved work areas, and catch basins?
- D. Please provide a copy with the return of the permit application.
- E. Do you provide guidance to arriving vessels on pollution prevention practices you expect them to comply with?

Yes

- D. If so, please provide a copy with the return of the permit application?
- E. Do you have a employee training program which includes pollution prevention practices and worker right to know information?

Yes

If you would like that training program included or consider as part of the permit "Best Management Practices" please provide a copy with the return of the permit application.

- F. Do you have in effect a Spill Prevention and Counter-Measure Plan? If so, please provide a copy.

Yes

XII. SITE PLAN

Please provide a site plan locating storm drains, catch basins, oil and waste oil storage areas, paint storage area, paint booth, solvent still, work areas, etc.

Please provide a location map of the facility. It is sufficient to indicate the site location on a photocopy of a USGS quadrangle map.

shpquest

DUWAMISH SHIPYARD, INC.
Water Flow

Outfall #	Source	Use	To
01	Duwamish River	.80 MGPC Deflooding Water	Duwamish River
02	Duwamish River	.36 MGPC Deflooding Water	Duwamish River
03	Rainfall	258 GPD	Duwamish River
04	Duwamish River	2.45 MGPC Deflooding Water	Duwamish River